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## PATENT ABSTRACTS OF JAPAN

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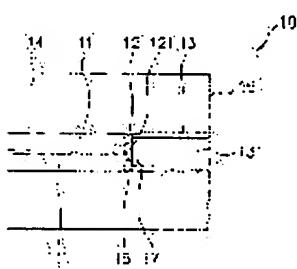
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#### (54) OPTICAL CONNECTOR

##### (57) Abstract:

PROBLEM TO BE SOLVED: To realize an optical connector which can be used for splicing of single mode optical fibers for high power transmission.



SOLUTION: A connection part 10 wherein a plurality of graded index optical fibers 12 and 13 having different core diameters are arranged in the ascending order of core diameter from the front end of the single mode optical fiber 11 toward the connection end face 15 is provided between the front end of a single mode optical fiber 11 and a connection end face 15, and thus a spot size on the connection

end face 15 is enlarged, and optical power per unit area is reduced, and a high power optical signal (or exciting light) can be propagated.

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#### LEGAL STATUS

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